Lil Jumbl

Non Contact Forehead Thermometer

USER MANUAL

Specifications

Temperature measurement range:
Forehead mode: 93.2~108°F (34~42.2°C)
Surface mode: -7.6~176°F (-22~80°C)
Operating temperature range:
50~104°F (10~40°C), 15%~85% RH
Storage temperature range:
It should be stored at room temperature between -4~122°F (-20~50°C) , RH≤85%
Transportation temperature
less than 70°C, RH≤95%
Atmospheric pressure:
800~1013 hPa
Accuracy:
Forehead mode: ±0.4°F (0.2°C) within 95~107.6°F (35~42°C), ±0.5°F (0.3°C) for other range.
Surface mode: ±0.5°F (0.3°C) within 71.6~108°F (22~42.2°C), others ±4% or ±4°F (2°C) whichever is greater.
Fever alarm, memory and °F/°C switch function
Battery: one lithium cell battery (CR2032 *1pcs)
Battery life: around 3,000 continuous readings
Expected Service Life: 4 years
Dimensions: 80.1 x 46.4 x 37.7 mm
Weight: 46.3 grams including battery

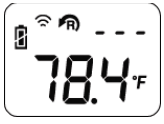
Warnings

- The device should not submerge into any liquids and expose it to direct moisture.
- There is no gender and age limitation for using the infrared thermometer.
- This is not an AP or APG product

Functions

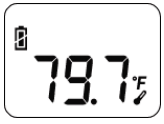
Forehead Temperature

The thermometer has been designed for practical use. It's not meant to replace a visit to the doctor. Please also remember to compare the measurement result to your regular body temperature. Please consult with doctor if you have health concerns.
Please see the "Use of the thermometer" section to learn how to measure the body temperature.



Surface Temperature

The surface mode shows the actual and unadjusted surface temperature which is different from the body temperature. It can help you monitor if the object temperature is suitable for the baby or patient, for example the baby's milk.
Please see the "Use of the thermometer" section to learn how to measure the object temperature.



Room Temperature

Suitable ambient temperature is important for the baby and patient. The thermometer always helps you recognize the room temperature.
After power off, the room temperature will be shown on the screen with icon.

Fever Alarm

If the thermometer detects a temperature ≥99.5°F (or 37.5°C) under forehead mode, three short beep sound will follow one long beep sound to warn the user for potential fever.

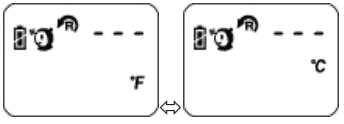
Last Reading

When you get a new body temperature, the last reading will be shown on the screen (at top right corner) with the icon.

Functions

Memory Locations

There are total 25 sets of measurement condition for body temperature.
When power on, press the ON/MEM button to see the temperature records with icon.



°F / °C Switch

In "Power Off" mode, press and hold the "SCAN" button, then press the ON/MEM button for 3 seconds, icon "°F" will be switched to icon "°C". You can also use the same process to change the LCD display from °C to °F.

Use

Note: The device must stay in stable ambient (room) temperature for 15 minutes before operating.

1. Always make sure the probe lens is clean without any damage and the forehead is clean.

Warning: Choking from swallowing small parts and batteries by children or pets is possible, please keep small parts and batteries at places where children and pets can't reach.

2. Power on:
   For the first time, pull out the insulated strip from the battery cover to activate the thermometer.
   Press the ON/MEM button.

Use

3. Measuring body temperature on the forehead:
   Press the ⏻ ON/MEM button to power on the device. Forehead mode is the default mode. You can see the icon on the screen and hear two beep sounds. In this mode, you can hold the thermometer within 3 cm from the central forehead and press the "Scan" button to get the forehead measurement. The time consuming for measurement might be 1 second.

   NOTES:

   a. Forehead temperature is displayed in oral mode. This mode converts the forehead temperature to display its "oral-equivalent" value.

   b. Before the measurement, please stay in a stable environment for 5 minutes and avoid exercise, bath for 30mins.

   c. Remember to keep the forehead area clean and away from sweat, cosmetics and scar while taking temperature.

   d. The "Clinical Bias" is 29.5~28.9°F (-1.4 ~ -1.7°C).

   e. The "Limits of Agreement" is 0.98.

   f. The "Repeatability" is 32.4°F (0.20°C).

4. Measuring surface temperature:
   4.1 After power on, press and hold the ⏻ ON/MEM button, and press the "SCAN" button one time for "Infrared thermometer" mode to see icon on your LCD display. In this mode, you can get the target surface temperature.

   4.2 When you press the "Scan" button, you will get the real time temperature immediately. If you press and hold the "Scan" button, the reading of measurement will be continuously updated.

   4.3 Applications include temperature measurements for water, milk, cloth, skin or other objects.

   Note: This mode shows the actual and unadjusted surface temperature which is different from the body temperature.

Use

5. Power off:
   5.1 Device will automatically shut off if left idle for more than 1 minute to extend battery life.

   5.2 Manually power off the device by pressing the ⏻ ON/MEM button.

Cleaning and Storage

Please make sure the probe is clean to ensure an accurate reading.

1. The probe lens is the most delicate part of the thermometer. Use with care when cleaning the probe lens to avoid damage.
   a. Use the 70% alcohol swab or the soft cotton moistened with the 70% alcohol to clean the probe lens.

   b. Allow the probe to fully dry for at least 1 minute.

   c. Keep the unit dry and away from any liquids and direct sunlight.

   d. Storage temperature range: It should be stored at room temperature between -4~122°F (-20~50°C), RH≤85%

   e. The Probe should not be submerged into liquids.
2. Holding the thermometer too long may cause a higher ambient temperature reading of the probe.
   This could make the body temperature measurement lower than usual.

Battery Replacement

This device is supplied with one lithium cell CR2032x1.

1. Open the battery cover: Insert a pointed object into battery cover pick hole. At the same time, use thumb to push battery cover out. (See Figure 1)
2. Hold the device and flip the battery out with a small screwdriver. (See Figure 2)
3. Insert a new battery under the metal hook and press down until you hear a "click" sound. (See Figure 3)
4. Replace the battery cover
   The positive (+) side up and the negative (-) side pointed down.

Figure 1

Figure 2

Figure 3

Troubleshooting:

Error Message	Problem	Solution
Er	Error 5~9, the system is not functioning properly.	Unload the battery, wait for 1 minute and repower it. If the message reappears, contact the retailer for service.
Er 1	Measurement before device stabilization.	Wait until all the icons stop flashing.
Er 3	The ambient temperature is not within the range between 50°F~104°F (10°C~40°C).	Allow the thermometer to rest in a room for at least 15 minutes at room temperature: 50°F~104°F (10°C~40°C).
Hi	(1) In forehead mode: Temperature taken is higher than 108°F (42.2°C) (2) In surface mode: Temperature taken is higher than 176°F (80°C)	Please select the target within specifications. If a malfunction still exists, please contact the nearest retailer.
Lo	(1) In forehead mode: Temperature taken is lower than 93.2°F (34°C) (2) In surface mode: Temperature taken is lower than -7.6°F (–22°C)	Please select the target within specifications. If a malfunction still exists, please contact the nearest retailer.
	Device cannot be powered on to the ready stage.	Change the battery.

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